

Research Data

Between Science and Service

Zwischen Wissenschaft und Dienstleistung

DFG-Guidelines

Primärdaten als Grundlagen für Veröffentlichungen sollen auf haltbaren und gesicherten Trägern in der Institution, wo sie entstanden sind, für zehn Jahre aufbewahrt werden.

DFG

**Recommendations of the Commission on Professional
Self Regulation in Science**

**Proposals for Safeguarding Good Scientific Practice
January, 1998**

My data are safe!



Data copy on ZIP-drive produced in 1998 and stored in boxes

My data are safe!



Boxes found in Bielefeld

Sent: Wednesday, 18 September 2013 10:20

To: Wolfram Horstmann

Hallo Wolfram,

hier - genauer gesagt im ehemaligen CIP-Pool - sind vor einiger Zeit mehrere Umzugskartons aufgetaucht, die laut Aufschrift Dir gehören. Ich habe die, weil [REDACTED] die loswerden mussre, erstmal in unser Labor geräumt, aber jetzt stehen sie doch arg im Weg.

Was soll mit den Kartons und dem Inhalt passieren?

Gruß,

Brave new world of research data



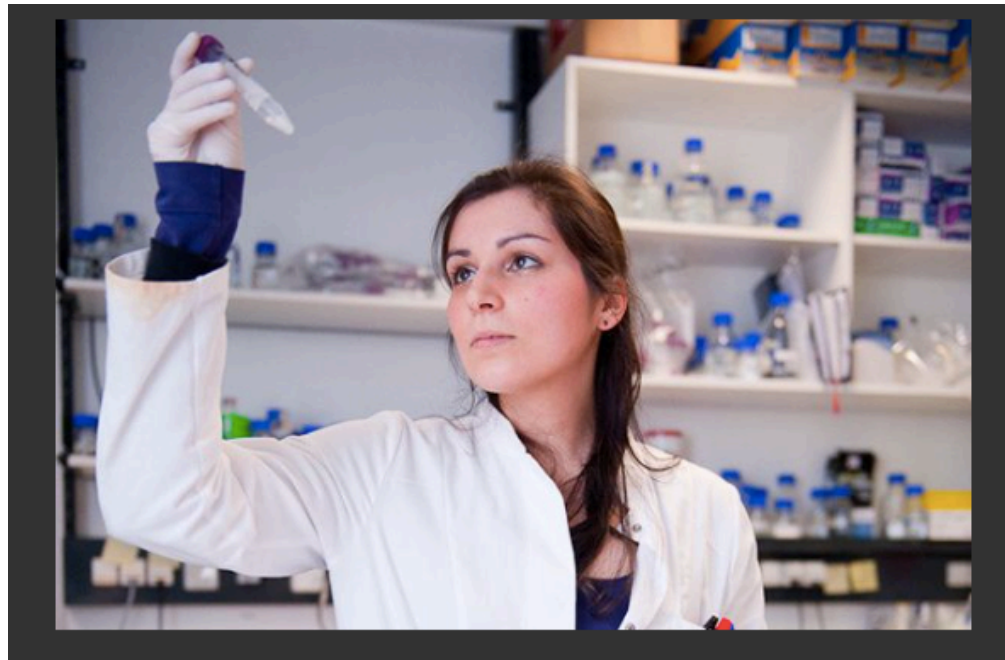
arXiv.org

Nucleic Acids Research

SCIENTIFIC DATA



zenodo

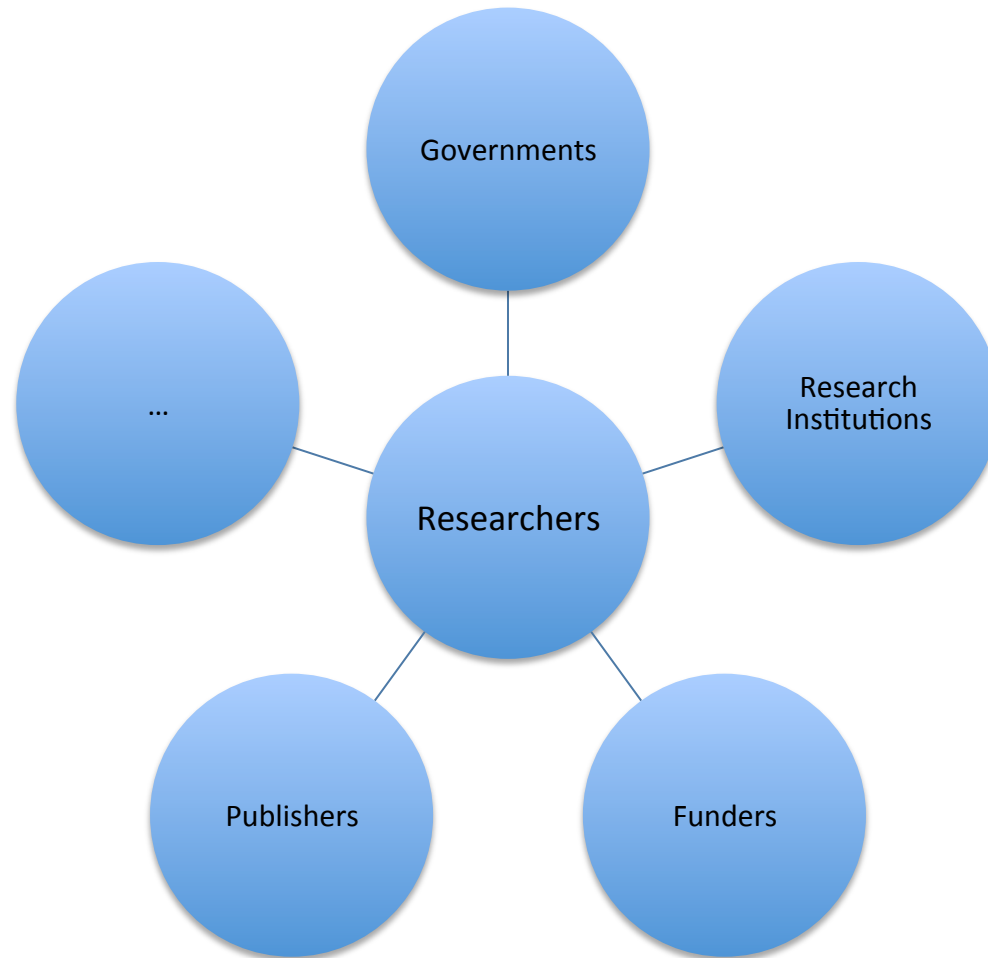


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re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

Research data stakeholders



RDM POLICIES

Project Policy: Human Genome Project

1996

NHGRI Policy Regarding Intellectual Property of Human Genomic Sequence

 [Share](#)  [Print](#)

Policy on Availability and Patenting of Human Genomic DNA Sequence Produced by NHGRI Pilot Projects (Funded Under RFA HG-95-005)

April 9, 1996

This document describes the policy of the National Human Genome Research Institute (NHGRI) with respect to availability and patenting of human genomic DNA sequence produced under grants funded as a result of RFA HG-95-005. In conformity with the existing spirit and philosophy of the Human Genome Project (HGP) and in response to the recommendations of advisors and the expressed wishes of the community, NHGRI seeks to make DNA sequence information **rapidly and freely** as possible.

Background

The HGP is an international research effort, begun in 1990, which has the scientific goals of generating maps of the human genome [1] and producing the complete sequence of the human DNA by the year 2005. The project was undertaken in the U.S. following the advice of several scientific committees that emphasized its importance in creating a resource that "will facilitate research in biochemistry, physiology and medicine"[2], "have a major impact on health care and disease prevention" [2] and provide "enormous scientific and technological advances ... having both basic and commercial applications" [3]. At the National Institutes of Health (NIH), the National Human Genome Research Institute (NHGRI) was founded to implement the HGP.

The HGP has progressed rapidly, even beyond optimistic expectations. The initial mapping goals are nearly completed and recent improvements in DNA sequencing technology and capacity have led many scientists, including NHGRI advisors, to conclude that complete sequencing of human genomic DNA should begin. Early in 1995, NHGRI issued RFA HG-95-005 to

Funder Policy: DFG 1998

Recommendation 7: Primary data as the basis for publications shall be securely stored for ten years in a durable form in the institution of their origin.

DFG

Recommendations of the Commission on Professional Self Regulation in Science

**Proposals for Safeguarding Good Scientific Practice
January, 1998**

Project policy: Tools 2001

genomics.energy.gov

Human Genome Project Information • Genomic Science Program • DOE Microbial Genomics • home



Human Genome Project Information

About the HGP	Ethical / Legal Issues		Medicine	Education	Gene Gateway	Research Archive
Goals	History	Timeline	Benefits	ELSI	Genetics 101	FAQs

Announcements on the First Analysis of Genome Sequence

February 12, 2001

DATA RELEASE AND ACCESS PRINCIPLES AND POLICY

- The human genome, the common heritage of all humanity, is arguably the most valuable dataset the biomedical research community has ever known. It holds long-sought secrets of human development, physiology, and medicine.
- The highest priority of the International Human Genome Sequencing Consortium is to make the sequence of the human genome available to the world's scientists rapidly, freely, and with the minimum of restriction.

Since the sequencing phase of the Human Genome Project began, the sequence data have been made available to the world's scientists rapidly, freely, and with the minimum of restriction.

<http://www.ncbi.nlm.nih.gov/Genbank/>
<http://www.ebi.ac.uk/embl/index.html>
<http://www.ddbj.nig.ac.jp/>

- <http://www.ncbi.nlm.nih.gov/Genbank/>
- <http://www.ebi.ac.uk/embl/index.html>
- <http://www.ddbj.nig.ac.jp/>

- Translating the text of the human genome into practical applications that will alleviate suffering is one of the greatest challenges facing humankind. This mission will require the work of tens of thousands of scientists throughout the world. No scientist wanting to advance this cause should be denied the opportunity to do so for lack of access to the sequence data.

Funder Policy: US NIH 2002

NIH ANNOUNCES DRAFT STATEMENT ON SHARING RESEARCH DATA

Release Date: March 1, 2002

NOTICE: NOT-OD-02-035 (See [NOT-OD-03-032](#) for Update)

National Institutes of Health

Data sharing of the National Institutes of Health's particularly important for unique data that cannot be readily replicated. Data sharing allows scientists to expedite the translation of research results into knowledge, products, and procedures to improve human health. THE NIH IS DEVELOPING A STATEMENT ON DATA SHARING THAT EXPECTS AND SUPPORTS THE TIMELY RELEASE AND SHARING OF FINAL RESEARCH DATA FROM NIH-SUPPORTED STUDIES FOR USE BY OTHER RESEARCHERS. INVESTIGATORS SUBMITTING AN NIH APPLICATION WILL BE REQUIRED TO INCLUDE A PLAN FOR DATA SHARING OR TO STATE WHY DATA SHARING IS NOT POSSIBLE. This statement will apply to extramural scientists seeking grants, cooperative agreements, and contracts as well as intramural investigators.

Journal Policy, e.g. NAR 2003 (?)

OXFORD JOURNALS

Nucleic Acids Research

ABOUT THIS JOURNAL CONTACT THIS JOURNAL SUBSCRIPTIONS

Oxford Journals > Life Sciences > Nucleic Acids Research >

GENERAL POLICIES OF THE JOURNAL

New – Please note that the journal now encourages publish form online.

Open Access charges are now payable using our Author online with a credit/debit card, or request an invoice

Authors' responsibilities

Submission of a manuscript implies that it reports unpublished elsewhere. **All files, including figures, must be original** the corresponding author. The corresponding author checks behalf of all authors to indicate that they are in complete are prepared to abide by the general policies of NAR as the senior author, then full contact details of the latter must be circumstances the journal may need to communicate with addresses of all co-authors must also be provided.

During submission, authors are requested to upload a cover aid the processing of the manuscript. This **must** include a NAR, either partial or in entirety, which has been rejected manuscript number of the earlier submission must be provided to any editorial or referee reports and a summary of the should also contain details of any data obtained from other personal communication(s). The corresponding author must each inclusion.

Authors must also advise the journal of any related manuscript other journal, especially where the related manuscript describes results or interpretation of the current NAR submission. A into the online submission system.

Conflicts of Interest

NAR policy requires that EACH author of all manuscripts reveal any financial interests or connections, direct or indirect, or other situations *that might raise the question of bias* in the work reported or the conclusions, implications, or opinions stated - including pertinent commercial or other sources of funding for the individual author(s) or for the associated department(s) or organization(s), personal relationships, or direct academic

- **Software:** If the manuscript describes new software tools or the implementation of novel algorithms the software must be freely available to users at the time of submission (either as executable versions for multiple, common platforms or as source code). Availability must be clearly stated in the article. Authors must ensure that the software is available for a full TWO YEARS following publication, preferably through a download link on a stable URL. Authors are encouraged to make their source code available through an open source license (see www.opensource.org for examples).
- **Databases:** must be freely available to all via the web and not be password protected. Authors are encouraged to make the contents of their databases freely available as flat or relational files upon request.
- **Web servers:** must be freely available to all with no login requirement. Authors are encouraged to make the underlying code and data for their web tools available upon request.

The Editors are prepared to deny further publication rights in the Journal to authors unwilling to abide by these principles.

Deposition of sequence and structural data

Sequence information, co-ordinates used to create molecular models described in a manuscript, and structural data must be submitted in electronic form, prior to acceptance, to the appropriate database for release no later than the date of publication of the corresponding article in the Journal. Deposition numbers and/or accession numbers provided by the database should be included in the manuscript and entered into the relevant boxes during online submission or communicated to the Executive Editor handling the manuscript as soon as received. In cases where there may be no appropriate database, authors must make their data available on request. Atomic co-ordinates may be included in the publication as supplementary material. Manuscripts will not be published until the Journal is in receipt of the deposition number.

For papers reporting novel nucleic acid sequences

Nucleic acid sequence information must be deposited with one of the three major collaborative databases (EMBL/GenBank/DBJ). For sequences obtained from a public or private web site, it is the author's responsibility to ensure that any sequence used within the manuscript is deposited before publication. It is

Funder Policy: CRCs 2010ff

DFG form 50.06 – 05/12

Page 1 of 17

Guidelines

Collaborative Research Centres

III.1.3 Information Infrastructure Project

The main purpose of an Information Infrastructure Project in a Collaborative Research

Information Infrastructure Project

you may also entail the use and testing or development of virtual forms of scientific communication related to such data. Funding may be available for the development and implementation of a design and for the provision of an efficient information infrastructure to make it feasible.

This is intended primarily to achieve two objectives. On the one hand, it serves to fulfil the requirement, according to the principles of good scientific practice, to archive research data for at least ten years. On the other hand, it is assumed that scientific synergies will be generated in the Collaborative Research Centre through shared data platforms and communication forums as well as the resulting efficient reuse of data.

Professional management of the data collected, processed and archived in the Collaborative Research Centre is expected. As a rule, the Collaborative Research Centre should therefore take advantage of the relevant local information facilities (such as the host university's libraries and computer centres). The reuse of existing tools and technologies should always be given preference over the development of new instruments. Data that have been collected and processed must be archived for the long term to keep them accessible beyond the funding duration.

In detail, an Information Infrastructure Project may focus on one or more of the following objectives:

- *Research data:* Development of a database to store research data generated by the Collaborative Research Centre, including the assignment of metadata. In-

Funder Policy: EPSRC 2011

EPSRC

Engineering and Physical Sciences
Research Council

Home > About us > Our service standards > EPSRC Policy Framework on Research Data > Impact,
Timescales and Support

IMPACT, TIMESCALES AND SUPPORT


EPSRC recognises that the infrastructure and resources allocated to managing and sharing research data vary widely among the research organisations it funds. EPSRC also acknowledges that to comply with this framework research organisations will need to review their research data management practices and capabilities: change may be required in a number of areas ranging for example from simply clarifying and formalising existing processes and policies to the creation of new posts and investment in new infrastructure. In working towards an optimal approach, it is further anticipated that not all the identified actions/investments may be achievable in the medium to long term.

a clear roadmap

To allow time for this EPSRC expects all those it funds to have their policies and processes with EPSRC's expectations by **1st May 2012**, and to be fully compliant with these expectations by **1st May 2015**. EPSRC will monitor progress and compliance on a case by case basis. EPSRC will investigate non-compliance; if it appears that proper sharing of research data is being obstructed EPSRC reserves the right to impose appropriate sanctions. Support and advice are available to assist organisations working to comply with this framework. In particular EPSRC recommends that further advice be sought from;

JISC (<http://www.jisc.ac.uk/whatwedo/activitiesbytopic>)
the Digital Curation Centre (<http://www.dcc.ac.uk/>)
and/or the Information Commissioner's Office (<http://www.ico.gov.uk/>).

Funder Policy: many... 2012

 Full Coverage
  Partial Coverage
  No Coverage

Research Funders	Policy Coverage		Policy Stipulations					Support Provided			
	Published outputs	Data	Time limits	Data plan	Access/sharing	Long-term curation	Monitoring	Guidance	Repository	Data centre	Costs
AHRC	●	●	●	●	●	◐	○	●	○	◐	◐
BBSRC	●	●	●	●	●	●	●	●	●	◐	●
CRUK	●	●	●	●	●	●	●	◐	●	○	○
EPSRC	●	●	●	◐	●	●	●	◐	○	○	●
ESRC	●	●	●	●	●	●	●	●	●	●	◐
MRC	●	●	●	●	●	●	○	◐	●	○	◐
NERC	●	●	●	●	●	●	●	●	●	●	◐
STFC	●	●	●	●	●	●	●	◐	●	◐	◐
Wellcome Trust	●	●	●	●	●	●	●	●	●	◐	●

Institutional Policy: e.g. Edinburgh 2011



Policies and Regulations

Research Data Management Policy

This policy for managing research data was approved by the University Court on 16 May, 2011.

The University adopts the following policy on Research Data Management. It is acknowledged that this is an aspirational policy, and that implementation will take some years.

1. Research data will be managed to the highest standards throughout the research data lifecycle as part of the University's commitment to research excellence.
2. Responsibility for research data management through a sound research data management plan during any research project or programme lies primarily with Principal Investigators (PIs).
3. All new research proposals [from date of adoption] must include research data management plans or protocols that explicitly address data capture, management, integrity, confidentiality, retention, sharing and publication.
4. The University will provide training, support, advice and where appropriate guidelines and templates for the research data management and research data management plans.
5. The University will provide mechanisms and services for storage, backup, registration, deposit and retention of research data assets in support of current and future access, during and after completion of research projects.
6. Any data which is retained elsewhere, for example in an international data service or domain repository should be registered with the University.
7. Research data management plans must ensure that research data are available for access and re-use where appropriate and under appropriate safeguards.
8. The legitimate interests of the subjects of research data must be protected.
9. Research data of future historical interest, and all research data that represent records of the University, including data that substantiate research findings, will be offered and assessed for deposit and retention in an appropriate national or international data service or domain repository, or a
10. Except where the data are of future historical interest, research data should not be handed over to commercial publishers or other third parties unless this is a condition of funding. **rights to reuse** should not be handed over to commercial publishers or other third parties unless this is a condition of funding. make the data openly available for re-use,

Funder Policy: EC 2012



PRESS RELEASE

Brussels, 17 July 2012

Scientific data: open access to research results will boost Europe's innovation capacity

The European Commission today outlined measures to improve access to scientific information produced in Europe. Broader and more rapid access to

- define open access to peer-reviewed publications as the general principle in Horizon 2020, either through open access publishing ('Gold' open access) or self-archiving ('Green' open access)
- promote open access to research data (experimental results, observations and computer-generated information etc.) and set a pilot framework in Horizon 2020, taking into account legitimate concerns in relation to privacy, commercial interests and questions related to large data volumes
- develop and support e-infrastructures to host and share scientific information (publications and data) which are interoperable on European and global level

open access to research data


Research Area (ERA). The Communication and Recommendation on scientific information complement a Communication on 'A reinforced European Research Area partnership for excellence and growth', also being adopted today, which sets out key priorities for completing the European Research Area, including the optimal circulation, access to and transfer of scientific knowledge.

The European Commission will continue to fund projects related to open access. In 2012-2013, the Commission will spend €45 million on data infrastructures and research on digital preservation. Funding will continue under the Horizon 2020 programme. During the same period, the Commission will support experimentation with new ways of handling scientific information (e.g. new peer-review methods and ways of measuring article impact).

See also [MEMO/12/565](#)



Government Policy: e.g. UK 2012



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Policy

Improving the transparency and accountability of government and its services

Organisations: [Cabinet Office + 1 other](#)
Updated: [2 May 2013](#)
Topic: [Government efficiency, transparency and accountability](#)
Ministers: [The Rt Hon Francis Maude MP](#)
Advisory groups: [Public Sector Transparency Board + 2 others](#)

Policy

Detail

Latest

Commitment to publishing data

[The Open Data Institute](#)

[Releasing data in open formats](#)

[Anonymised formats](#)

Supporting detail:

Commitment to publishing data

The government is committed to publishing public data (between 2010 and 2012) under a [statutory publication scheme](#).

These strategies, along with the [open data white paper](#) commit us to a publishing all public sector data, unless it is private data collected from people or restricted for national security reasons.

Local authorities and arms-length bodies also comply with the [local](#)

International Policy, e.g. G8 2013



- Share information on national research infrastructure priorities and prioritization processes; identify areas of potential benefit that could be achieved through sharing of best practices.
- Create a representative list of GRIs open to global cooperation of interest to new partners.

We invite the GSO to report in 2015 on their progress.

3. Open Scientific Research Data

Open enquiry is at the heart of scientific endeavour, and rapid technological change has profound implications for the way that science is both conducted and its results communicated. It can provide society with the necessary information to solve global challenges. We are committed to openness in scientific research data to speed up the progress of scientific discovery, create innovation, ensure that the results of scientific research are as widely available as practical, enable transparency in science and engage the public. We will develop a set of principles for open science, and further discussions.

- To the greatest extent possible, ensure that publicly funded research data is open to the public, whilst acknowledging the legitimate concerns of private partners.

publicly funded

Service Policy: Dryad



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Recently Published Data

Ropars J, López-Villavicencio M, Dupont J, Snirc A, Gillot G, Coton M, Jany J, Coton E, Giraud T (2014) Data from: Induction of sexual reproduction and genetic diversity in the cheese fungus *Penicillium roqueforti*. *Evolutionary Applications*
[doi:10.5061/dryad.t53k5](https://doi.org/10.5061/dryad.t53k5)

Peters KJ, Ophelkeller K, Bott NJ, Deagle BE, Jarman SN, Goldsworthy SD (2014) Data

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[Submission integration](#) is a

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The background figure: [Air photo of the Kameni islands, Santorini, Greece](#) by [David Pyle](#) in [Geology](#)

Service Policy: Scientific Data


SCIENTIFIC DATA

110110
0111101
1101110
011101101

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Latest News, 10 March: Two pre-launch Data Descriptors published!

Please note our full publication platform will be available in May 2014 with additional features

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Write a detailed description of your dataset. We have templates to help you and a detailed guide to authors.

2. DEPOSIT

See our list of recommended repositories. We will help you find the right place for your data.

3. SUBMIT

Submit online and get the credit you deserve for your data!

Get credit where credit's due and share your data.

Scientific Data
is accepting
submissions

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Scientific Data Updates

[Scientific Data's metadata specification](#)
January 8, 2014

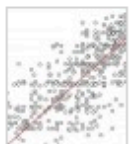
[New Advisory and Editorial Board pages](#)
December 19, 2013

[Metadata associated with Data Descriptor articles to be released under CC0 waiver](#)
December 9, 2013

[Scientific Data calls for submissions](#)
October 8, 2013

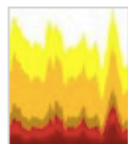
[Can you help us with our publication layout?](#)
October 4, 2013

Pre-launch Data Descriptors



The systematic identification of cytoskeletal genes required for *Drosophila melanogaster* muscle maintenance

Alexander D. Perkins, Michael J.J. Lee &



Global integrated drought monitoring and prediction system

Zengchao Hao, Amir AghaKouchak, Navid Nakhjiri & Alireza Farahmand. 11 March 2014

WHAT INSTITUTIONS CAN DO

DINI Positionspaper



DEUTSCHE INITIATIVE
FÜR NETZWERKINFORMATION E.V.

DINI Schriften 10-de
[Version 1.0, April 2009]

Positionspapier Forschungsdaten

Arbeitsgruppe „Elektronisches Publizieren“

LIBER 10 Recommendations



Ten recommendations for libraries to get started with research data management

Final report of the LIBER working group on E-Science / Research Data Management

LERU Roadmap



ADVICE PAPER
No.I4 - DECEMBER 2013

LERU ROADMAP FOR RESEARCH DATA

ONE EXAMPLE: BIELEFELD

RDM Principles

Grundsätze zu Forschungsdaten an der Universität Bielefeld

Forschende an der Universität Bielefeld sollen Forschungsdaten* nach folgenden Grundsätzen als wertvolles wissenschaftliches Werk behandeln:

- | Über den gesamten Forschungszyklus – von der Datengewinnung bis zur Publikation – sollen Forschungsdaten sorgfältig und nach hohen fachlich einschlägigen Standards behandelt und dokumentiert werden.
- | Ein „Data Management Plan“ und fachspezifische Richtlinien** für Einrichtungen und Projekte soll durch die jeweils verantwortliche Leitung bereitgestellt werden – vor allem in jedem neuen, Daten-intensiven Drittmittelantrag.
- | Das Forschungsdaten-Management in Einrichtungen und Projekten soll auf eine möglichst breite und langfristige Nutzung in Forschung, Anwendung und Öffentlichkeit ausgerichtet sein, wobei Verwertungsinteressen, der Schutz persönlicher Daten und Verpflichtungen gegenüber Dritten ausgewogen berücksichtigt werden.
- | Zur nachhaltigen Verankerung und Entwicklung eines qualitätsvollen Forschungsdaten-Managements soll die fachspezifische Methodenausbildung sowie die Vermittlung von Prinzipien guter wissenschaftlicher Praxis in Lehre und Weiterbildung angemessen thematisiert werden.

**Forschungsdaten stellen im weitesten Sinne Primärdaten, Sekundäranalysen, Visualisierungen, Modelle, Analysewerkzeuge, Objektsammlungen oder Produkte dar, die während des wissenschaftlichen Arbeitsprozesses erzeugt und benutzt werden.*

Central RDM Activities

- Research Data Policy: “Principles”
- Coordination post funded by the University
- Focus group with leading academics
- [Colloquium](#) Knowledge Infrastructure
- Library in close cooperation with IT
 - Library provides curation and metadata support
 - IT Services provide servers and storage

Centrally Supported RDM activity

- Data-Service Centre “Business and Organisational Data”
- Infrastructure for Collaborative Research Project (50PIs, 12 Years)
“From Heterogeneity to Inequality”
- Excellence Cluster “Cognitive Interaction Robotics” (100PIs, 10 years)
- Library Services: metadata, DOIs, software, calendars, websites...
- Storage and housing in IT Services

Open Research

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Research for Cognitive Interaction

Projects

[View all issues](#) | [Overall spent time](#) | [Overall activity](#)

3D Indoor Scenes Database

Articulated Scene Model

The software implements a state-of-the-art algorithm for three dimensional scene segmentation. The algorithm intends to build up a robust static background model of the scene and extracts moveable and highly dynamic objects in the foreground. For system integration the package also includes application nodes for middleware connection and grabbing/visualization purposes....

BielefeldTypeLibrary

BTL – The Bielefeld Type Library (BTL)

The Bielefeld Type Library (BTL) is a collection of XML-based data descriptions that are exchanged between components (e.g. Icewing) or systems (e.g. BIRON/ToBI). It provides functionality for parsing/creating data objects and is currently available in C++/Java. For more detailed info please refer to the wiki....

Bonsai

Bielefeld Sensor and Actuator Interface

BonSAI is a robot behavior abstraction layer written in Java. It aims to provide a simple interface to various functions of a robotic system and can define behaviors and skills according to these functions....

CITEC Gentoo Portage Overlay

This is a repository of gentoo ebuilds mostly of software packages developed within the University of Bielefeld (CITEC/CoR-Lab) but also of open source software from third parties. You may use this overlay, please do not hesitate to file bugs. Be aware to use this overlay at your own risk. ...

emblued

Projects

☐ View closed projects



Uni from A to Z



Search

Uni Bielefeld » Faculty of Sociology » SFB 882 » Projects » Project INF

Navigation

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 - Project B3
 - Project B4
 - Project B5
 - Project C1

Project INF

Information and Data Infrastructure

People Summary Publications

- ❖ Friedhoff, Stefan, Meier zu Verl, Christian, Pietsch, Christian, Meyer, Christian, Vompras, Johanna, & Liebig, Stefan (2013): *Social Research Data: Documentation, Management, and Technical Implementation within the SFB 882*. (SFB 882 Working Paper Series 16). DFG Research Center (SFB) 882 From Heterogeneities to Inequalities, Bielefeld.
[PUB](#) | [PDF](#) | [URL](#)
- ❖ Friedhoff, Stefan, Meier zu Verl, Christian, Pietsch, Christian, Meyer, Christian, Vompras, Johanna, & Liebig, Stefan (2013): *Replicability and Comprehensibility of Social Research and its Technical Implementation*. (RatSWD Working Paper Series 219). SCIVERO Press, Berlin.
[PUB](#) | [URL](#)
- ❖ Meier zu Verl, Christian (2013): Der praktische Charakter wissenschaftlicher Theorien. Bericht von der GWTF-Jahrestagung. *Technikfolgenabschätzung - Theorie und Praxis*, 22(1), 106–108
[PUB](#) | [URL](#)
- ❖ Kramer, Stefan, Leahey, Amber, Southall, Humphrey, Vompras, Johanna, & Wackerow, Joachim (2012): *Using RDF to Describe and Link Social Science Data to Related Resources on the Web*. (German Council for

News

- ❖ Besuch aus New York: Prof. Dr. Dalton Conley zu Gast im SFB 882
 17.06.2013
- ❖ Neue Gastwissenschaftlerin im SFB 882: Prof. Dr. Elke Winter, University of Ottawa
 10.06.2013
- ❖ Vortrag von Prof. Dr. Hans-Ulrich Wehler zum Thema "Soziale Ungleichheit in Deutschland"
 18.04.2013

≡ all news

Recent Publications

- ❖ Bilecen, Basak (2013): *Analyzing Informal Social Protection Across Borders: Synthesizing Social Network Analysis with Qualitative Interviews*
- ❖ Schunck, Reinhard (2013):

Inhalte

Studien-Navigation

- Verknüpfte Personen-Betriebsdaten im Anschluss an den ALLBUS
 - ALLBUS 2008
 - ALLBUS Betriebsbefragung 2009**
- Beschäftigungsverhältnisse als sozialer Tausch
 - BEATA Betriebsfallstudie
 - BEATA Beschäftigten-Befragung
 - BEATA Partner und Partnerinnen-Befragung
- Betrieb und Beschäftigung im Wandel: Betriebliche Beschäftigung
 - SFB580-B2 Betriebspanel Welle 1
 - SFB580-B2 Betriebspanel Welle 2
 - SFB580-B2 Betriebspanel Welle 3
- Entwicklung und Validierung eines Diagnosewerkzeugs zur Erfassung von...
 - InnoKenn Experteninterviews
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 - SFB580-B8 kommunaler Vertreter
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- Abhängige Selbständigkeit in der Versicherungswirtschaft - Neue
- AEVO Betriebs- und Kammerbefragung 2007
- Affective Complementarity in Service Encounters
- Aging Workforce Management in der Automobilindustrie. Definitor

Suche nach Studien

Willkommen **Verknüpfte Personen-Betriebsdaten im Anschluss an den ALLBUS 2008 (Studien-ID: allbus)** Suchergebnisse

Kurzbeschreibung	Der inhaltliche Fokus der Betriebsbefragung lag auf Sozialer Ungleichheit innerhalb von Betrieben. S. Allgemeine Betriebsstrukturdaten, Marktposition des Betriebs, Mitbestimmung, Personalstruktur, Personalqualifikationsgruppen, Entlohnung, Arbeitsbedingungen sowie methodische Fragen und Informationen
Untersuchungsgegenstand	Betriebe
Sektor	Öffentlich und privat
Branchen	Keine Branchenauswahl
Untersuchungsgebiet	Deutschland

Durchführung

Vorbereitende Maßnahmen	Dem Projekt vorgeschaltet war eine Pilotstudie im Rahmen einer rund 1000 Befragte umfassende Panels (SOEP) 2007. Darin wurden aktuell erwerbstätige und arbeitslos gemeldete Personen nach Betriebsstätte gefragt. Die angegebenen Adressen wurden bereinigt, so dass im Anschluss die Betriebsstätten
-------------------------	--

Sampling

Auswahlverfahren	Ausgangspunkt waren die Befragten des ALLBUS 2008, die zum Zeitpunkt der Befragung in ein abhängig beschäftigt waren. Insgesamt waren dies 1.101 Personen. Davon machten 943 Personen genannten Adressen wurden anschließend in einer Recherche überprüft. 719 Adressen konnten entsprechenden Betriebe wurden kontaktiert. In 194 Fällen konnte schließlich ein Interview realisiert sich auf Betriebe, in denen zwei Beschäftigte an der ALLBUS Personenbefragung teilgenommen Personalverantwortlicher oder Betriebsleiter befragt.				
Maßnahmen zur Erhöhung der Response	Es wurden gezielt Interviewer eingesetzt, die eine langjährige Erfahrung mit Betriebsstudien haben				

Ebene	Anzahl Einheiten	Anzahl Personen pro Ebene (min.)	Anzahl Personen pro Ebene (max.)	Anteil erh. Mitglieder/Betrie... (min.)	Anteil erh. Mitglieder/Betrieb (max.)
Betriebe	194				

RDM Resolution

Resolution

Resolution on Research Data Management

Bielefeld University is firmly committed to supporting its academics in implementing the '**Principles and guidelines on handling research data at Bielefeld University**' from 19 July 2011 to promote a quality-assuring research data management.

1. The Rektorat requests applicants to take advantage of the university's advisory services – above all during the preparatory stage of any funding proposal requiring a data management plan (e.g. for the German Research Foundation, DFG)
2. The Rektorat encourages academics to publish their research data through a registered research data archive within their discipline, or, if this is not available, through the research data repository of Bielefeld University. Publication should take the interests of persons and companies into account and be based on binding licensing conditions.

To fulfil **Point 1**, the **Coordination Centre** for Research Data at the Bielefeld University Library offers comprehensive advisory services on data management planning and continuous data documentation.

In line with **Point 2**, Bielefeld University Library supports faculties and academia to interlink existing data services with the worldwide network of data archives. At the same time, the institutional repository **PUB – Publikationen an der Universität Bielefeld** offers services for the publication of research data. Directories such as the DFG-funded "**Registry of Research Data Repositories**" also list appropriate locations for depositing data.

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2014 | *Research Data* | PUB-ID: 2659774

LEEP-B3

Diewald M, Schunck R, Abendroth A, Melzer SM, Reimann M, Pausch S (2014)

SFB 882. doi:[10.4119/unibi/sfb882.2014.12](https://doi.org/10.4119/unibi/sfb882.2014.12)

[PUB](#) | [DOI](#)

2014 | *Research Data* | PUB-ID: 2659776

Arbeitsorganisationen und väterliche Lebensführung

Beaufays S, Reimer T (2014)

SFB 882. doi:[10.4119/unibi/sfb882.2014.13](https://doi.org/10.4119/unibi/sfb882.2014.13)

[PUB](#) | [DOI](#)

2014 | *Research Data* | PUB-ID: 2659766

Entstehung und Entwicklung devianten und delinquenten Verhaltens

Reinecke J, Stemmler M, Pöge A, Wallner S, Meinert J, Schepers D, Sünkel Z, Weiss M, Wittenberg J, Kaye N (2014)

SFB 882. doi:[10.4119/unibi/sfb882.2014.11](https://doi.org/10.4119/unibi/sfb882.2014.11)

[PUB](#) | [DOI](#)

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Eyetracking-Experiment zu situativen Einflüssen auf Gerechtigkeitsurteile

Friedhoff S, Liebig S, May M, Sauer C, Schneider S, Valet P (2014)

SFB 882. doi:[10.4119/unibi/sfb882.2014.8](https://doi.org/10.4119/unibi/sfb882.2014.8)

DOI [10.4119/unibi/sfb882.2014.8](https://doi.org/10.4119/unibi/sfb882.2014.8)

Research Data

[Mark](#)

Details

Authors **Friedhoff, Stefan**^{UniBi} ; **Liebig, Stefan**^{UniBi} ; **May, Melke**^{UniBi} ; **Sauer, Carsten**^{UniBi} ; **Schneider, Simone**^{UniBi} ; **Valet, Peter**^{UniBi}

Department SFB 882 Von Heterogenitäten zu Ungleichheiten
SFB 882 Teilprojekt A6




Abstract:

Ziel des Experimentes war es die Aufmerksamkeit der Befragten bei der Beantwortung von Vignetten zum Thema Einkommensgerechtigkeit unter bestimmten Rahmenbedingungen zu verfolgen. Die Experimentellen Bedingungen waren (1) Bezahlung vor dem Experiment / Bezahlung nach dem Experiment. (2) Kooperatives Priming (Scrambled Sentence Test)/Neutrales Priming. Die Befragten müssen im Vignettenmodul das Einkommen

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Literature-to-data: reference

Crystal structure of the Yersinia enterocolitica type III secretion chaperone SycD in complex with a peptide of the minor translocator YopD

Schreiner M, Niemann H (2012)
BMC Structural Biology 12(13).


Download  [1472-6807-12-13.niemann.pdf](#)

DOI [10.1186/1472-6807-12-13](#)

URN [urn:nbn:de:0070-pub-25200786](#)

Journal Article | Published | Quality Controlled | English

Mark



Details File Details **EBI BioEntities** Citations References


Authors **Schreiner, Madeleine**^{UnlBl} ; **Niemann, Hartmut**^{UnlBl}

Department Fakultät für Chemie
Research Group H. Niemann
Centrum für Biotechnologie

Abstract:
Background Type III secretion systems are used by Gram-negative bacteria as "macromolecular syringes" to inject effector proteins into eukaryotic cells. Two hydrophobic proteins called translocators form the necessary pore in the host cell membrane. Both translocators depend on binding to a single chaperone in the bacterial cytoplasm to ensure their stability and efficient transport through the secretion needle. It was suggested that the conserved chaperones bind the more divergent translocators via a hexapeptide motif that is found in both translocators and conserved between species. Results We crystallized a synthetic decapeptide from the Yersinia enterocolitica minor type III secretion translocator YopD bound to its cognate chaperone SycD and determined the complex structure at 2.5 Å resolution. The structure of peptide-bound SycD is almost identical to that of apo SycD with an all helical fold consisting of three tetratricopeptide repeats (TPRs) and an additional C-terminal helix. Peptide-bound SycD formed a kinked head-to-head dimer that had previously been observed for the apo form of SycD. The homodimer interface comprises both helices of the first tetratricopeptide repeat. The YopD peptide bound in extended conformation into a mainly hydrophobic groove on the concave side of SycD. TPRs and 2 of SycD form three hydrophobic pockets that accommodated the conserved hydrophobic residues at position 1, 3 and 6 of the translocator hexapeptide sequence. Two tyrosines that are highly conserved among

Crystal structure of the Yersinia enterocolitica type III secretion chaperone SycD in complex with a peptide of the minor translocator YopD

Schreiner M, Niemann H (2012)
BMC Structural Biology 12(13).


Download  [1472-6807-12-13.niemann.pdf](#)

DOI [10.1186/1472-6807-12-13](#)

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Journal Article | Published | Quality Controlled | English


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Data provided by the **European Bioinformatics Institute (EBI)**.

UNIPROT  2 item(s) found citing this article.


Protein YopD (UNIPROT: P37132)
Organism: Yersinia enterocolitica
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Chaperone SycD (UNIPROT: O87496)
Organism: Yersinia enterocolitica
 [Download in FASTA format](#)

PDB 1 item(s) found citing this article.

x-ray diffraction (PDB: 4am9)
Protein structure name: crystal structure of the yersinia enterocolitica type iii secretion chaperone sycd in complex with a peptide of the translocator yopd
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Literature-to-data: related

3D Scene Segmentation for Autonomous Robot Grasping

Ückermann A, Elbrechter C, Haschke R, Ritter H (2012)

Presented at the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2012), Algarve, Portugal

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URN [urn:nbn:de:0070-pub-25306963](#)

Conference Proceeding / Paper | Published | Quality Controlled | English

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Details File Details **Related Material**

Link [Video: Segmentation And Pointing Gesture Detection For Kinect Point Clouds](#)
[Video: Grasping Using Segmentation And Pointing Gesture Detection On Kinect Clouds](#)

Cite this

AMA APA Frontiers Harvard IEEE LNCS MLA BibTeX RIS

Ückermann A, Elbrechter C, Haschke R, Ritter H. 3D Scene Segmentation for Autonomous Robot Grasping. Presented at the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2012), Portugal



Literature-to-data: supplement

Differential regulation of closely related R2R3-MYB transcription factors controls flavonol accumulation in different parts of the Arabidopsis thaliana seedling

Stracke R, Ishihara H, Huep G, Mehrrens F, Niehaus K, Weisshaar B, Barsch A (2007)
The Plant Journal 50(4): 660–677.

DOI 10.1111/j.1365-3113X.2007.03078.x

Journal Article | Published | Quality Controlled | English

Mark

Details EBI BioEntities Citations References

Authors **Stracke, Ralf**^{UniBI}; Ishihara, Hirofumi; **Huep, Gunnar**^{UniBI}; Mehrrens, Frank; **Niehaus, Karsten**^{UniBI}; **Weisshaar, Bernd**^{UniBI}; Barsch, Aiko

Department Proteom- und Metabolomforschung
Research Group B. Weisshaar
Centrum für Biotechnologie
Fakultät für Biologie
Genomforschung
Institut für Genomforschung und Systembiologie
Research Group K. Niehaus

Abstract

The genes MYB11, MYB12 and MYB111 share significant structural similarity and form subgroup 7 of the Arabidopsis thaliana R2R3-MYB gene family. To determine the regulatory potential of these three transcription factors, we used a combination of genetic, functional genomics and metabolite analysis approaches. MYB11, MYB12 and MYB111 show a high degree of functional similarity and display very similar target gene specificity for several genes of flavonoid biosynthesis, including CHALCONE SYNTHASE, CHALCONE ISOMERASE, FLAVANONE 3-HYDROXYLASE and FLAVONOL SYNTHASE1. Seedlings of the triple mutant myb11 myb12 myb111, which genetically lack a complete subgroup of R2R3-MYB genes, do not form flavonols while the accumulation of anthocyanins is not affected. In developing seedlings, MYB11, MYB12 and MYB111 act in an additive manner due to their differential spatial activity; MYB12 controls flavonol biosynthesis mainly in the root, while MYB111 controls flavonol biosynthesis primarily in cotyledons. We identified and confirmed additional

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NASC Stock Detail Page

NASC ID: N9815

Name: myb11myb12myb111

Description: Homozygous triple mutant, produced by crossings of myb12-1f, GABI-Kat291D01 and SALK_077068.

Donation Date: 2007-12-21

Donated by: Bielefeld University Lutz Bartelnewoehner

Donor Number: S_RS_523

Part of: Homozygous lines

Stock type: Individual line

Material type: seed

Comment: gene other name: pfg2.pfg1.pfg3. Related stock: 9813, 9814

Status	Price (€)
Available	€ 4.00

Germplasm Info

Background: Columbia-0

Segregation status: homozygous

Associated Polymorphisms

When available, select a locus to search in AtEnsembl or view the EMBL record at the EBI.

Allele:	Locus:	AGI code:
myb11	myb11	At3g62610
myb111	myb111	At5g49330
myb12	myb12	At2g47460

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Data-to-Literature: cited

Kinematic data of grasping movements directed towards virtual and real objects

Maycock J, Bläsing B, Bockemühl T, Ritter H, Schack T (2011)
Bielefeld University.
DOI **10.4119/unibi/citec.2013.4** **Files available**

Research Data Mark

Details

Publications

Authors **Maycock, Jonathan** ^{UniBi}; **Bläsing, Bettina** ^{UniBi}; **Bockemühl, Till** ^{UniBi}; **Ritter, Helge** ^{UniBi}; **Schack, Thomas** ^{UniBi}

Department Center of Excellence - Cognitive Interaction Technology CITEC

Abstract:
Eleven right handed subjects (age: 24-39 years, 4 women) participated in a series of three experiments. All subjects had normal or corrected-to-normal vision and had no known impairments related to arm or hand movement. All subjects gave written informed consent to be part of the study. The experiment was carried out according to the principles laid out in the 1964 Declaration of Helsinki. Subjects performed all three experiments in the same order, starting with Experiment 1, directly followed by Experiment 2, and then Experiment 3. The experiments were carried out at the Manual Intelligence Lab, making use of its sophisticated multimodal set-up for investigating manual interaction (Maycock et al., 2010). During the data collection, the subjects stood in front of a table (with dimensions 210 x 130 x 100 cm). Subjects wore an Immersion CyberGlove II wireless data glove (Immersion Corp., San Jose, CA; data acquisition rate: 100Hz; sensor resolution: 1 degree) on the right hand that allowed for the recording of whole handkinematics (22 DOF). In front of the subject (at a distance of 40cm), a holding device for spherical objects (golf tee) was positioned on the table. A laptop computer screen was positioned behind the holding device. A small round bowl (10cm in diameter) located 40cm to the right of the holding device served as target for placing the objects. A 14 camera Vicon digital optical motion capture system (Vicon, Los Angeles, CA) mounted around the table was used to monitor the trajectories of the hand movements via three retro-reflective markers placed on the back of the data glove.

Keywords Kinematic Analysis ; Motion Tracking ; Hand Grasping

Year 2011

PUB-ID 2639456 | Link: <http://pub.uni-bielefeld.de/data/2639456>

Cite this

AMA

APA

Frontiers

Harvard

IEEE

LNCS

MLA

BibTeX

RIS

Maycock J, Bläsing B, Bockemühl T, Ritter H, Schack T. *Kinematic data of grasping movements directed towards virtual and real objects*. Bielefeld University; 2011.

Cognitive Interaction Toolkit [beta]

A Collection of Linked Research Data to Facilitate Interactive Cognitive Systems

Toolkit Home Browse Extended Search Toolkit Virtual Login

Home » Data Sets

Kinematic data of grasping movements directed towards virtual and real objects

Organisation:
CITEC -- Center of Excellence Cognitive Interaction Technology, Bielefeld University

Version:
V1.0.0

Release Date:
2011-07-20

Description:
Eleven right handed subjects (age: 24-39 years, 4 women) participated in a series of three experiments. All subjects had normal or corrected-to-normal vision and had no known impairments related to arm or hand movement. All subjects gave written informed consent to be part of the study. The experiment was carried out according to the principles laid out in the 1964 Declaration of Helsinki. Subjects performed all three experiments in the same order, starting with Experiment 1, directly followed by Experiment 2, and then Experiment 3. The experiments were carried out at the Manual Intelligence Lab, making use of its sophisticated multimodal set-up for investigating manual interaction (Maycock et al., 2010). During the data collection, the subjects stood in front of a table (with dimensions 210 x 130 x 100 cm). Subjects wore an Immersion CyberGlove II wireless data glove (Immersion Corp., San Jose, CA; data acquisition rate: 100Hz; sensor resolution: 1 degree) on the right hand that allowed for the recording of whole handkinematics (22 DOF). In front of the subject (at a distance of 40cm), a holding device for spherical objects (golf tee) was positioned on the table. A laptop computer screen was positioned behind the holding device. A small round bowl (10cm in diameter) located 40cm to the right of the holding device served as target for placing the objects. A 14 camera Vicon digital optical motion capture system (Vicon, Los Angeles, CA) mounted around the table was used to monitor the trajectories of

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Motor synergies and object representations in virtual and real grasping

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Maycock J, Bläsing B, Bockemühl T, Ritter H, Schack T (2011)
Bielefeld University.
DOI **10.4119/unibi/citec.2013.4** **Files available**

Research Data Mark

Details

Publications

This data publication is cited in the following publications:

2034003 **Motor synergies and object representations in virtual and real grasping**
Maycock J, Bläsing B, Bockemühl T, Ritter H, Schack T (2010)
In: 1st International Conference on Applied Bionics and Biomechanics (ICABB). Venice, Italy: IEEE.

Cite this

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RDM Policy

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University of Oxford - policy on the management of research data and records

“

"The University of Oxford seeks to promote the highest standards in the management of research data and records as fundamental to both high quality research and academic integrity"

(Source: Policy on the Management of Research Data and Records, July 2012)

In July 2012, Council approved a new policy on the management of research data and records. In support of this, guidance is available via this website on the RDM services already offered by the University (as well as some which are still under development), and news on training and advice offered to researchers on dealing with their data will also be communicated via this means.

Departments are encouraged to seek advice from their local I.T. support teams if they have immediate questions on how to deal with data storage or backup. If queries are more directly linked to funder requirements and how to meet expectations, researchers should contact their research facilitators in the first instance, or speak to [Kathryn Dally](#) in Research Services.

Related documentation includes a pdf of this policy, which is also laid out

Related documents

- > [University Policy on the Management of Research Data and Records](#)  (219kb)

Related policies

- > [Academic Integrity in Research: Code of Practice and Procedure](#)
- > [Policy on the ethical conduct of research involving human participants and personal data](#)
- > [Intellectual property policy](#)
- > [Data protection policy](#)
- > [Freedom of Information policy](#)
- > [Information Security Policy](#)

RDM Working Group

- Chaired by PVC-R
- Representation of many stakeholders
 - Divisions
 - Libraries
 - IT Services
 - Research Services
- Many external and departmental activities
- Central services as fall-back

Multi-Agency Initiative

Research Services

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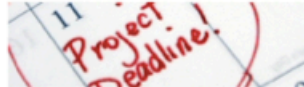
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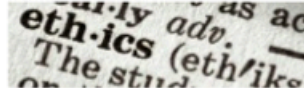
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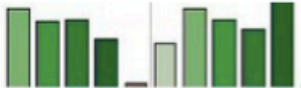
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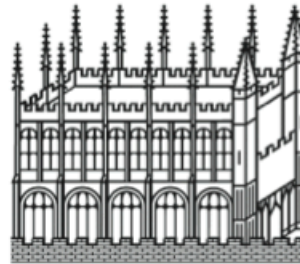
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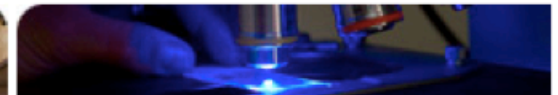


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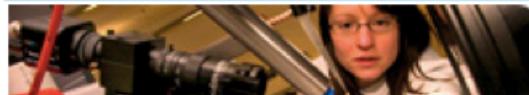
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Data Support Services for Researchers



About RDM

An introduction to research data management, including policy expectations from some of Oxford's main funders.




Working with data


Guidance and links to tools and resources to help you manage your data day-to-day and at the project planning stage.

Useful Links

[Ask a question - Contact Us](#)
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[Find out what funders expect - see the funder policies page](#)
[Latest news - Read the Oxford Research Data blog](#)

Research Data Blog

[New RDM course listing page](#)
 Feb 04, 2014

[Planning, Appraising, Ingesting and Documenting Data: UK Data Archive Training Workshop](#)
 Dec 16, 2013

Institutional Repository: ORA-Data

Developing Research Data Archiving at Oxford University

ORA-Data

Data form essential elements of research processes and public communication of research results. Researchers increasingly require a sustainable and reliable way for archiving research data to reference them in publications or comply with funders' policies.

Many data archives exist outside of the University of Oxford, especially as subject-specific services. However, researchers often seek or require an institutional service at the University of Oxford. Therefore, the Oxford Research Archive (ORA) that is already a long-term home for recording Oxford publications is currently being extended towards a data archive: "ORA-Data".

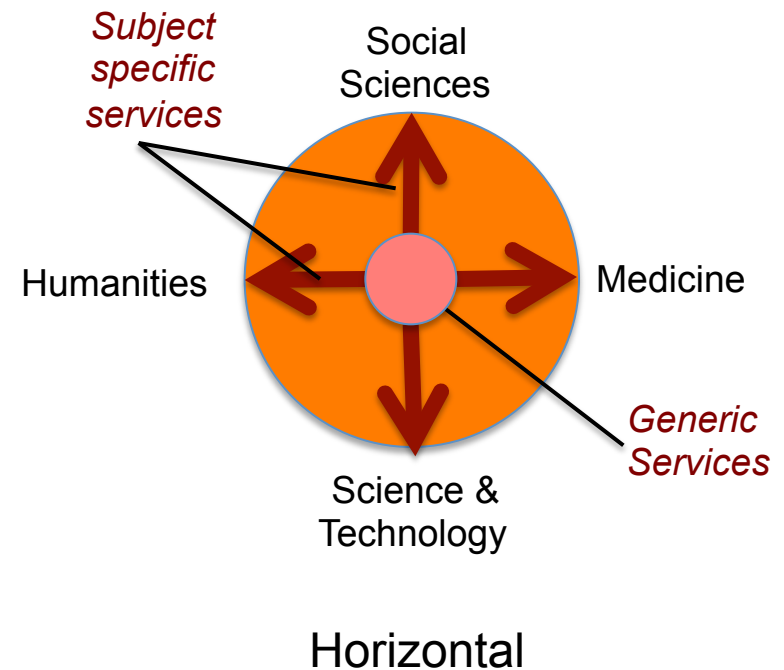
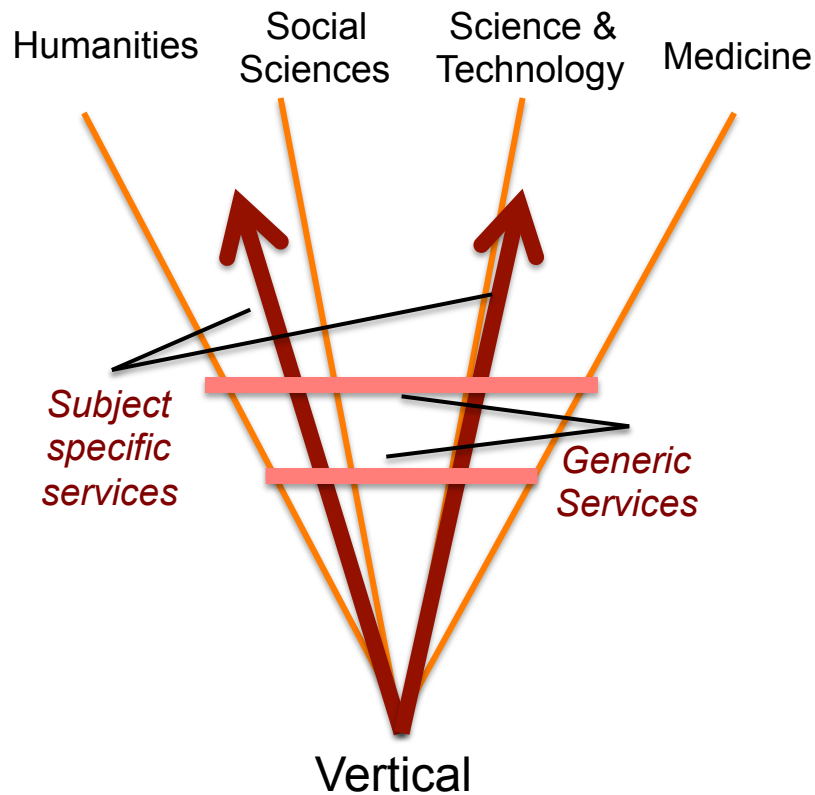
ORA-Data rests on the infrastructure that the Bodleian Libraries use to archive its own, sizable volumes of data. It also builds on several preparatory university projects addressing research data management (DataBank, DataFinder, DataFlow, DaMaRO).

IT Capital Plan 2014-2018

- Long-Term Planning for IT Investment
 - IT Services plans for active storage
 - Library Plans for accessible archive
- Joint plans
 - Network upgrade, dedicated fibres
 - Seamless tiered storage solution
 - Virtualisation for data-heavy applications

COMPARISON OF EXAMPLES

Rollout models: Example Comparison



SUMMARY AND CONCLUSION

Data – Between Science and Service

- Some observations
 - Researchers rule ... data “my”ning
 - Data != Data ... but my case is different
 - External support ... the grass is always greener...
 - Institutions keep ... solid as a rock
 - Big data, small problems – small data, big problems
 - Storage and archiving ... apples and oranges
 - Support ... every institution its own model



THANKS

